### CLIMATOLOGICAL SUMMARY.

By Mr. James Berry, Chief of the Climatological Division.

TEMPERATURE AND PRECIPITATION BY SECTIONS, MARCH, 1906.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and records is smaller than the total number of stations.

In the following table are given, for the various sections of lowest temperatures, the average precipitation, and the greatest control of the Weather Bureau, the average precipitation and the greatest and least monthly amounts are found by using all trust-worthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observation. Of course the number of such records is smaller than the total number of stations.

		Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.						
Section.	erage.	from	Monthly extremes.						erage.	from nal.	Greatest monthly	y.	Least monthly.			
	Section average.	Departure f	Station.	Highest.	Date.	Station.	Lowest.	Date.	Section average	Departure from the normal.	Station.	Amount.	Station.	Amount.		
Alabama	51. 6 54. 4 45. 2	- 4.6 0.0 - 7.2	Lucy	85 92 88	23 31 26	Valley Head Flagstaff (a) Harrison	20 1 10	$\frac{21}{2}$	9, 26 1, 97 5, 69	$+3.94 \\ +0.69 \\ +0.04$	Demopolis	15. 78 6. 41 9. 27	Lucy	3, 80 0,03 3, 33		
California California Colorado Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maryland and Delaware Michigan Minnesota Mississippi Missouri Montana Nebraska Nevada New England* New Jersey New Mexico New York North Carolina North Dakota Ohio Oklahoma and Indian Territories. Oregon Pennsylvania Porto Rico South Carolina South Dakota	31. 2 31. 3 31. 2 31. 2 31. 9 33. 1 39. 2 56. 8 36. 9 24. 4 22. 6 52. 0 34. 6 52. 0 34. 6 40. 6 1 31. 3 42. 0 40. 6 31. 7 74. 2 6	- 4, 1 - 7, 6 - 5, 7 - 8, 6 - 7, 6 - 3, 9 - 5, 1 - 4, 4 - 4, 5 - 5, 1 - 9, 2 - 3, 8 - 0, 1 - 4, 1 - 4, 9 - 8, 1 - 1, 6 - 8, 1 - 1, 6 - 5, 3 - 2, 9	Holly Orange City St. George Waialua, Oahu Lewiston New Burnside Madison Pacific Junction Englewood (Earlington Sthelbyville (Melville St. Francisville Great Falls, Md Coldwater New Ulm Waynesboro Joplin St. Pauls Red Cloud Martins Ranch 3 stations (Imlaystown Oceanic Lordsburg Elmira 4 stations Medora Ironton Chattanooga, Okla Fairview Derry Station Manati 3 stations	86 75 79 74 83 58 62 87 68 80 67 74 83 81 68 95 82 75	26 29 29 29 28 86 11 25 11 26 82 27 26 29 24 26 27 29 24 26 31 27 26 31 27 29 3 dates 42 27 12, 30 31 26 9 9 30 12, 14	Antelope Springs Molino Clayton Humuula, Hawaii Soldier Philo Northfield Thurman Burr Oak Maysville Oxford Oakland, Md. Humboldt Bagley Ripley Ripley Sublett Fort Logan Agate San Jacinto Van Buren, Me Layton Chama Paul Smiths Pink Beds Gerthold Agency Williston Bladensburg Harrington, Okla Granite (Lewisburg Sangerstown Adjuntas Greenville Grand River School	- 8 -35 -33 23 -5 -5 -45 -27 -15 -8 -20 5 -34 -12 2 2 2 -23 -13 -13 -47 -18 -27 -18 -27 -18 -27 -28 -28 -28 -28 -28 -28 -28 -28 -28 -28	17 17 18 17 1 1 20 18 23 14 21 17 15 16 25 24 19 25 21 14 21 21 24 25 21 24 22 23 24 25 24 25 26 27 27 28 28 28 29 29 29 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21	2. 50 3. 24 4. 6. 24 3. 44 2. 24 3. 5. 16 4. 97 2. 20 8. 51 4. 97 2. 20 8. 51 8. 51	+0. 98 -0. 20 +1.11 +0. 55 +1. 41 +0. 40 +1. 19 +2. 09 +1. 12 -0. 25 +2. 67 +0. 46 -0. 17 +0. 77 +0. 77 +0. 80 +1. 06 +0. 22 +0. 40 +0. 55 +1. 41 +0. 04 +1. 19 +1. 19 +1. 32 -0. 25 +2. 67 +0. 46 +0. 55 +0. 57 +0. 46 +0. 55 +0. 57 +0. 69 -0. 57 -0. 57	Silverton Molino Molino Newman HonomanuVal, Maui Blackfoot Equality Bloomington Columbus Mount Sterling Clinton BachmansValley, Md Whitefish Point Peterson Enterprise Koshkonong Absarokee Hayes Center Morey Rockport, Mass New Brunswick Fort Wingate Boyds Corners Sapphire Wishek Portsmouth Wagoner, Ind. T. Gold Beach Gordon Manati Walhalla Mitchell	4. 45 6. 88 9. 31 4. 55 9. 10 16. 18 7. 18 3. 68 8. 17 14. 76 8. 83 2. 95 4. 42 6. 16 9. 08 6. 77 9. 05 11. 92 2. 00 6. 48 12. 04 7. 37 8. 13 10. 25 8. 13	Manassa Jacksonville Valona Nacksonville Valona Nacksonville Nacksonville Valona Nacksonville Antioch Hammond Antioch Hammond Ames Scott Williamsburg Morgan City Westernport, Md Harbor Beach Angus Pitisboro St. Joseph Ridgelawn Ashton 2 stations Burlington, Vt Cape May City 7 stations Avon Saxon 6 stations Napoleon Chattanooga, Okla Umatilla Erie Santa Isabel St. Matthews Mound City Manilla Stations Manoleon Chattanooga, Okla Umatilla Erie Santa Isabel St. Matthews Mound City	0. 00 1. 26 3. 85 T. 1. 80 0. 08 0. 48 2. 76 0. 39 3. 26 0. 20		
Tennessee Texas Utah Virginia Washington West Virginia Wisconsin Wyoming	44, 1 54, 0 38, 0 40, 2 40, 4 37, 3 24, 1	- 3.7 - 0.3 - 5.3 - 0.5 - 5.2	3 stations Eagle Pass Grayson Big Stone Gap (a) Kennewick Baucroft Koepenick Hyattville	76 97 86 71 85 75 75 75	29 27 31 30 80 3 31 31	3 stations. Texline Strawberry Valley (Dale Enterprise. ) Woodstock Bonita Cuba Minoequa. Snake River, Y. N. P	8 -12 - 7	21 19 19 1) 1( 13 1 15 17	5. 43 1. 72 3. 14 4. 65 1. 54 4. 77 2. 32 2. 29	-0. 29 -0. 35 +1. 42 +0. 69 -1. 43 +0. 68 +0. 38 +0. 84	Dyersburg Longview Ranch 2 stations Loverings Rauch Buckhannon Sturgeon Bay South Pass City	8. 08 7. 91 12. 02 6. 35 5. 22 8. 11 7. 18 5. 40	Elizabethtón Kent Lucin Mendota Colville Wheeling New Richmond Cambria			

<sup>\*</sup> Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

### THE WEATHER OF THE MONTH.

By Mr. Wm. B. STOCKMAN, Chief of the Division of Meteorological Records.

The distribution of atmospheric pressure conducive to the mild and comparatively dry weather of January and February, 1906, gave way early in March to decidedly wet and wintry conditions, which continued with slight intermissions throughout the month, and as a whole the reputation of the month for sudden and marked changes in weather conditions was more than sustained.

The weather of the month was dominated largely by a marked and persistent area of high pressure central over the northern slope region and the Dakotas, which, extending eastward and westward over the northern tier of States with decided positive departures, markedly influenced the weather in all districts.

To the east, south, and west of the center of highest pressure, under the influence of the generally northerly winds

blowing from the above region, the temperature was markedly lowered, and the averages for the month over the central Rocky Mountain and Plains region and the lower Missouri and central Mississippi valleys were in many cases the lowest on record for this month. The minimum temperatures, as a rule, were not unusually low, except over the extreme northwest, including the States of Washington, Oregon, and Idaho, where from the 12th to 17th inclusive, remarkably low temperatures prevailed, giving at many points values lower than any previously recorded in March.

In marked contrast to the above temperature conditions prevailing over the United States, the Canadian Northwest Provinces, under the influence of southerly winds, were generally free from severe storms and cold waves, with temperatures considerably above the average.

#### Average temperatures and departures from normal.

New England	Districts.	Number of stations.	Average temperatures for the current month.	Departures for the current month.	Accumu- lated departures since January 1.	Average departures since January 1.
New England			١ .			
Middle Atlantic         13         36.8         —2.8         + 1.8         + 0.9           South Atlantic         10         51.5         —2.1         —2.0         —1.0           Florida Peninsula*         8         64.5         —1.0         —2.2         —1.1           East Gulf         8         53.9         —3.4         —7.4         —3.7           West Gulf         7         58.6         —4.2         —4.0         —2.0           Ohio Valley and Tennessee         12         38.0         —5.6         —3.4         —1.7           Lower Lake         8         28.2         —4.1         +3.7         +1.8           Upper Lake         10         23.6         —3.4         +5.6         —2.8           North Dakota*         8         19.0         —1.0         +10.2         —5.1           Upper Mississispipi Valley         13         28.4         —6.6         +0.6         +0.3           Missouri Valley         11         27.9         —7.4         +5.1         +2.6           Northern Slope         7         24.3         —7.5         +7.8         +3.9           Middle Slope         6         33.2         —8.9         +2.5	Now England	a		1	-	
South Atlantic	Middle Atlantic					
Elorida Peninsula*	South Atlantic					
East Gulf.         8         53.9         — 3.4         — 7.4         — 3.7           West Gulf.         7         53.6         — 4.2         — 4.0         — 2.0           Ohlo Valley and Tennessee.         12         38.0         — 5.6         — 3.4         — 1.7           Lower Lake.         8         28.2         — 4.1         + 3.7         + 1.8           Upper Lake.         10         23.6         — 3.4         + 5.6         + 2.8           North Dakota*.         8         19.0         — 1.0         + 10.2         + 5.1           Upper Mississippi Valley.         13         28.4         — 6.6         + 0.6         + 0.3           Missouri Valley.         11         27.9         — 7.4         + 5.1         + 2.6           Northern Slope.         7         24.3         — 7.5         + 7.8         + 3.9           Middle Slope.         6         33.2         — 8.9         + 2.5         + 1.2           Southern Slope *         6         44.3         — 6.3         - 2.6         - 1.3           Middle Plateau *         13         49.5         + 0.6         + 6.5         + 8.2           Northern Plateau *         12         34.0	Florida Peninsula *					
West Gulf.         7         53.6         — 4.2         — 4.0         — 2.0           Ohio Valley and Tennessee.         12         38.0         — 5.6         — 3.4         — 1.7           Lower Lake.         8         28.2         — 4.1         + 3.7         + 1.8           Upper Lake.         10         23.6         — 3.4         + 5.6         + 2.8           North Dakota*         8         19.0         — 1.0         + 10.2         + 5.1           Upper Mississippi Valley.         13         28.4         — 6.6         + 0.6         + 0.3           Missourt Valley.         11         27.9         — 7.4         + 5.1         + 2.6           Northern Slope.         7         24.3         — 7.5         + 7.8         + 3.9           Middle Slope.         6         43.2         — 8.9         + 2.5         + 1.2           Southern Slope*.         6         44.3         - 6.3         - 2.6         - 1.3           Southern Plateau*         13         49.5         + 0.6         + 6.5         + 3.2           Northern Plateau*         8         37.7         - 0.1         + 4.3         + 2.2           Northern Plateau*         12         34.0 <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td>		8				
Ohlo Valley and Tennessee.         12         38.0         — 5.6         — 3.4         — 1.7           Lower Lake         8         28.2         — 4.1         + 3.7         + 1.8           Upper Lake         10         23.6         — 3.4         + 5.6         + 2.8           North Dakota*         8         19.0         — 1.0         + 10.2         + 5.1           Upper Mississippi Valley         11         27.9         — 7.4         + 5.1         + 2.6           Missouri Valley         11         27.9         — 7.4         + 5.1         + 2.6           Northern Slope         7         24.3         — 7.5         + 7.8         + 3.9           Middle Slope         6         33.2         — 8.9         + 2.5         + 1.2           Southern Slope*         6         44.3         — 6.3         — 2.6         — 1.3           Southern Plateau*         13         49.5         + 0.6         + 6.5         + 3.2           Middle Plateau*         8         37.7         — 0.1         + 4.3         + 2.2           Northern Plateau*         12         34.0         — 3.4         + 5.2         + 2.6           North Pacific         7         44.6			53. 6	<b>— 4.2</b>		
Upper Lake         10         23.6         -3.4         +5.6         +2.8           North Dakota*         8         19.0         -1.0         +10.2         +5.1           Upper Mississippi Valley         13         28.4         -6.6         +0.6         +0.6           Missouri Valley         11         27.9         -7.4         +5.1         +2.6           Northern Blope         7         24.3         -7.5         +7.8         +3.9           Middle Slope         6         33.2         -8.9         +2.5         +1.2           Southern Blope*         6         44.3         -6.3         -2.6         -1.3           Southern Plateau*         13         49.5         +0.6         +6.5         +3.2           Middle Plateau*         8         37.7         -0.1         +4.3         +2.2           North Pacific         7         44.6         -0.5         +6.3         +3.2           North Pacific         7         44.6         -0.5         +6.3         +3.2           Middle Pacific         5         51.7         -0.6         +6.3         +3.2	Ohio Valley and Tennessee			5. 6	<b>— 3.4</b>	— 1, 7
North Dakota *         8         19.0         — 1.0         + 10.2         — 5.1           Upper Mississippi Valley         13         28.4         — 6.6         + 0.6         + 0.3           Missouri Valley         11         27.9         — 7.4         + 5.1         + 2.6           Northern Slope         7         24.3         — 7.5         + 7.8         + 3.9           Middle Slope         6         33.2         — 8.9         + 2.5         + 1.2           Southern Slope*         6         44.3         — 6.3         — 2.6         — 1.3           Southern Plateau*         13         49.5         + 0.6         + 6.5         + 8.2           Middle Plateau*         8         37.7         — 0.1         + 3.2         + 2.6           Northern Plateau*         12         34.0         — 3.4         + 5.2         + 2.6           Northern Pacific         7         44.6         — 0.5         + 6.3         + 3.2           Middle Pacific         5         51.7         — 0.6         + 6.3         + 3.2	Lower Lake				+ 3.7	
North Dakota *	Upper Lake					
Missouri Valley         11         27.9         - 7.4         + 5.1         + 2.6           Northern Slope         7         24.3         - 7.5         + 7.8         + 3.9           Middle Slope         6         33.2         - 8.9         + 2.5         + 1.2           Southern Slope *         6         44.3         - 6.3         - 2.6         - 1.3           Southern Plateau *         13         49.5         + 0.6         + 6.5         + 3.2           Middle Plateau *         8         37.7         - 0.1         + 4.3         + 2.6           Northern Plateau *         12         34.0         - 3.4         + 5.2         + 2.6           North Pacific         7         44.6         - 0.5         + 6.3         + 3.2           Middle Pacific         5         51.7         - 0.6         + 6.3         + 3.2	North Dakota *					
Northern Slope         7         24.3         -7.5         +7.8         +8.9           Middle Slope         6         33.2         -8.9         +2.5         +1.2           Southern Slope*         6         44.3         -6.3         -2.6         -1.3           Southern Plateau*         13         49.5         +0.6         +6.5         +8.2           Middle Plateau*         8         37.7         -0.1         +3.2         +2.5           Northern Plateau*         12         34.0         -3.4         +5.2         +2.6           North Pacific         7         44.6         -0.5         +6.3         +3.2           Middle Pacific         5         51.7         -0.6         +6.3         +3.2	Upper Mississippi Valley					
Middle Slope         6         33.2         — 8.9         + 2.5         + 1.2           Southern Slope*         6         44.3         — 6.3         — 2.6         — 1.3           Southern Plateau*         13         49.5         + 0.6         + 6.5         + 3.2           Middle Plateau*         8         37.7         — 0.1         + 4.3         + 2.2           Northern Plateau*         12         34.0         — 3.4         + 5.2         + 2.6           North Pacific         7         44.6         — 0.5         + 6.3         + 3.2           Middle Pacific         5         51.7         — 0.6         + 6.3         + 3.2	Missouri Valley					
Southern Slope *         6         44.3         -6.3         -2.6         -1.3           Southern Plateau *         13         49.5         + 0.6         + 6.5         + 3.2           Middle Plateau *         8         37.7         - 0.1         + 4.3         + 2.2           Northern Plateau *         12         34.0         - 3.4         + 5.2         + 2.6           North Pacific         7         44.6         - 0.5         + 6.3         + 3.2           Middle Pacific         5         51.7         - 0.6         + 6.3         + 3.2	Northern Slope					
Southern Plateau*         13         49.5         + 0.6         + 6.5         + 8.2           Middle Plateau*         8         37.7         - 0.1         + 4.3         + 2.2           Northern Plateau*         12         34.0         - 3.4         + 5.2         + 2.6           North Pacific         7         44.6         - 0.5         + 6.3         + 3.2           Middle Paterific         5         51.7         - 0.6         + 6.3         + 3.2	Middle Slope					
Middle Plateau *     8     37.7     -0.1     +4.3     +2.2       Northern Plateau *     12     34.0     -3.4     +5.2     +2.6       North Pacific     7     44.6     -0.5     +6.3     +3.2       Middle Placific     5     51.7     -0.6     +6.3     +3.2	Southern Pletoen *					
Northern Plateau*         12         34.0         - 3.4         + 5.2         + 2.6           North Pacific         7         44.6         - 0.5         + 6.3         + 3.2           Middle Pacific         5         51.7         - 0.6         + 6.3         + 3.2	Middle Plateau *					
North Pacific						
Middle Pacific						
				- 0.6		
	South Pacific	4	56. 0	+ 0.5	+ 6.6	

\* Regular Weather Bureau and selected cooperative stations.

## In Canada.—Prof. R. F. Stupart says:

The temperature exceeded the average from the Pacific coast to the Rainy River district of Ontario, and was subnormal in all other portions of Canada. The excess amounted to from 1° to 2° in British Columbia and from 3° to 5° in the Northwest Provinces. A deficiency of from 1° to 8° occurred in Ontario and Quebec, and from 1° to 4° in the Maritime Provinces.

Precipitation was generally in excess of the average, except over the north Pacific coast, along the northern border, in Texas, and along the south Atlantic coast.

Under the influence of the high pressure and cold over the northern Rocky Mountain and Plains region, with low pressure over the Southwest, conditions were favorable for the occurrence of heavy precipitation over the southern Rocky Mountain region, and the middle and southern Pacific coasts.

In the area from southern Idaho and Wyoming, southward to and including northern Arizona and New Mexico, and over the whole of California, heavy, and in some cases abnormal amounts of precipitation were recorded. At numerous points in California, and also at points in Utah and Arizona, the monthly amounts were greater than previously recorded in March. Precipitation was also decidedly in excess in central Georgia, the greater part of Alabama and Mississippi and over the lower Ohio Valley.

The snowfall for the month, as to area covered and amounts recorded, was far in excess of the average. Over the central valleys from Kansas and Nebraska eastward to the Appalachian Mountains the amounts for the month were unusually heavy, and during the storm of the 18th-19th the depths of fall at many points were greater than any previously recorded in a single storm, and in some cases more than previously recorded in an entire month. Over much of the southern Rocky Mountain region the snowfall was exceptionally heavy.

By the end of the month, however, the snow had practically disappeared from all sections, except over northern New England, the northern peninsula of Michigan, northern Wisconsin, and Minnesota, and at the higher elevations in the mountain districts.

#### Average precipitation and departure from the normal.

	r of 18.	Ave	rage.	Departure.		
Districts.	Number stations	Current month.	Percent- age of normal.	Current month.	Accumu- lated since Jan. 1.	
		Inches.		Inches.	Inches.	
New England	9	5. 05	131	+1.2	-0.6	
Middle Atlantic	13	4. 21	110	+0.4	-1.4	
South Atlantic	10	3.82	86	0.6	-1.5	
Florida Peninsula *	8	3. 27	110	+0.3	+1.5	
East Gulf	8	8. 56	146	+2.7	0.7	
West Gulf	7	2.61	77	-0.8	-3. 5	
Ohio Valley and Tennessee	12	5, 29	123	+1.0	-3.1	
Lower Lake	8	2.72	104	+0.1	—2. <b>7</b>	
Upper Lake	10	2, 20	105	+ 0.1	+0.3	
North Dakota*	8	0. 36	42	-0.5	-0.6	
Upper Mississippi Valley	13	2.81	122	+0.5	+1.0	
Missouri Valley	11	2.34	134	+0.6	+0.7	
Northern Slope	7	1, 54	183	+0.7	+0.3	
Middle Slope	6	1.66	122	+0.3	0.4	
Southern Slope*	6	0.95	100	0.0	0.7	
Southern Plateau *	13	2, 23 '	245	+1.4	+1.0	
Middle Plateau *	8	2, 36	223	+1.3	+1.5	
Northern Plateau *	12	1, 65	114	+0.2	-0.2	
North Pacific	7	2.10	40	<b>-3.</b> 1	-4,9	
Middle Pacific	5	8, 05	199	+4.0	+4.3	
South Pacific	4	6. 75	300	+4.5	+5.2	

\*Regular Weather Bureau and selected cooperative stations.

## In Canada.—Professor Stupart says:

The precipitation exceeded the average over eastern Quebec and the Maritime Provinces and also over the greater portion of Ontario and locally in western Quebec; elsewhere it was deficient. The deficiency was pronounced in Alberta and Saskatchewan, where in many districts there was an entire absence of either rain or snow.

In British Columbia large negative departures occurred over the lower

mainland and Vancouver Island districts.

At the close of the month the mountains in British Columbia were nearly clear of snow, and in the Northwest Provinces there was practically no snow on the ground. Portions of northern Ontario reported a depth of about 10 inches, and in Quebec the covering of snow varied from a trace at Montreal to 30 inches at Father Point. In the Maritime Provinces the ground was bare in most of the southern districts, while a considerable depth was on the ground in northern New Brunswick.

# Maximum wind velocities.

Stations,	Date.	Velocity.	Direction,	Stations.	Date.	Velocity.	Direction.
Amarillo, Tex	2	60	nw.	North Head, Wash	23	58	se.
Atlanta, Ga	19	50	w.	Oklahoma, Okla	1	50	8.
Block Island, R. I	1	50	nw.	Do	2	54	w.
Do	10	54	w.	Pensacola, Fla	29	50	SW.
Do	15	56	ne.	Pittsburg, Pa	21	54	w.
Do	19	55	e.	Point Reyes Light, Cal	1	55	nw.
Do	22	54	w.	Do	2	61	8.
Buffalo, N. Y	21	60	sw.	Do	3	68	s.
Do	22	55	sw.	Do	11	62	s.
Cleveland, Ohio	21	54	w.	Po	12	61	s.
Columbus, Ohio	21	54	SW.	Do	17	50	nw.
Do	22	56	SW.	Do	20	57	8,
Podge, Kans	1	52	se.	Do	23	63	8.
Duluth, Mina	2	56	He.	l Do	25	50	s.
Eastport, Me	9	52	ne.	<u>P</u> o	30	70	nw.
Po	20	65	e.	_ Do	31	74	nw.
El Paso, Tex	.1	50	W.	Port Crescent, Wash	10	55	ne.
Do	18	51	W.	[ <u>D</u> o	11	60	ne.
Grand Haven, Mich	21	54	nw.	Do	12	56	ne.
Key West, Fla	29	56	nw.	St. Paul, Minn	21	50	nw.
Do	31	56	w.	Salt Lake City, Utah	13	60	nw.
Lincoln, Nebr	8	50	nw.	Sand Key, Fla	8	53	w.
Madison, Wis	30	53	ne.	Do	29	60	nw.
Minneapolis, Minn	21	52	nw.	Do	31	52	W.
Modena, Utah	11	52	SW.	Sioux City, Iowa	- 8	54	W.
Do	12	60	SW.	Do	21	58	nw.
Do	13	52	SW.	Southeast Farallon, Cal.	2	51	я.
Do	31	50 71	SW.	Po	3	56 53	s.
Mount Tamalpais, Cal	12 31		SW.	Do	11		8.
Do		51	nw.	Do	20	53	se.
Nantucket, Mass	4 9	56 60	SW.	Do	23	55	se.
Do	15	52	ne.	Syracuse, N. Y	26	50 50	8.
Do	19	60	e,	Tatoosh Island, Wash	10	60	S.
New York, N. Y	10	64	e,	Do	11	66	ne.
Do	20	60	W.	Winnemucca, Nev	12	54	ne.
Do	22	52	w.	windemacca, Nev	12	.71	se.
100		02	٠٠.				

 ${\bf Average\ relative\ humidity\ and\ departures\ from\ the\ normal.}$ 

# Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Атегаде.	Departure from the normal.	Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England Middle Atlantic South Atlantic Florida Peninsula East Gulf West Gulf Ohio Valley and Tennessee Lower Lake Upper Lake North Dakota Upper Mississippi Valley	74 76 78 77 74 77 80 78	- 5 + 2 + 1 + 1 + 4 + 2 + 6 + 1 0 + 5	Missouri Valley Northern Slope Middle Slope Southern Slope Southern Plateau Middle Plateau Northern Plateau North Pacific Middle Pacific South Pacific	75 75 60 51 66 72 74	+15 +10 +12 +10 + 4	New England Middle Atlantic South Atlantic Florida Peninsula East Gulf West Gulf Ohio Valley and Tennessee Lower Lake Upper Lake North Dakota Upper Mississippi Valley	6. 6 5. 5 4. 8 6. 2 7. 5 7. 2 6. 0 5. 5	- 0.1 + 1.1 + 0.8 + 0.8 + 1.5 + 0.7 + 1.6 + 0.8 + 0.1 0.0 + 1.6	Missouri Valley Northern Slope Middle Slope Southern Slope Southern Plateau Middle Plateau Northern Plateau Northern Plateau North Pacific Middle Pacific South Pacific	5. 2 6. 4 4. 3 5. 8 6. 7 6. 6	+ 1.2 - 0.1 + 2.0 + 0.4 + 0.6 - 0.9 + 0.1 + 1.6 + 1.3

# DESCRIPTION OF TABLES AND CHARTS.

By Mr. Wm. B. STOCKMAN, Chief of the Division of Meteorological Records.

For description of tables and charts see page 38 of Review for January, 1906.